



# UNITED STATES PATENT AND TRADEMARK OFFICE

*Col*  
UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/736,524	12/17/2003	Kang-Tien Lin	BHT-3215-59	4348
7590	09/14/2005			
			EXAMINER	
			SAWHNEY, HARGOBIND S	
			ART UNIT	PAPER NUMBER
			2875	

DATE MAILED: 09/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/736,524	LIN, KANG-TIEN
	Examiner	Art Unit
	Hargobind S. Sawhney	2875

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM  
THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 27 June 2005.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 1 and 2 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5) Claim(s) \_\_\_\_\_ is/are allowed.

6) Claim(s) 1 and 2 is/are rejected.

7) Claim(s) \_\_\_\_\_ is/are objected to.

8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some \* c) None of:

1. Certified copies of the priority documents have been received.

2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.

3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)  
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date. \_\_\_\_\_.

3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 5) Notice of Informal Patent Application (PTO-152)  
Paper No(s)/Mail Date. \_\_\_\_\_.

6) Other: \_\_\_\_\_.

## DETAILED ACTION

1. The amendment filed on June 27, 2005 has been entered. Accordingly, Claim 1 has been amended.

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1 and 2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chuang (US Patent No.: 5,931,568) in view of the prior art admitted by the applicant.

Regarding Claim 1, Chuang ('568) discloses a light bulb structure 3 (Figure) comprising:

- a lamp bulb 22 including two wires 4 connected via a filament (Figure 2, column 1, lines 64-66); the two wires 4 extending out of the bulb 22 (Figure 2, column 1, lines 64-66);
- a lamp shade 31 – combination of element 31 and the matting surface of the peripheral extension of the lamp bulb 22 – closed at its bottom end in its integrally formed condition (Figure 2, column 2, line 3); the two wires 4 extending out of the lamp shade 22 (Figure 2);

- a mounting base 1 securely connected to a bottom of the lamp shade 31 (Figure 2, column 1, lines 56-63); the two wires 4 extending out of the mounting base 1 (Figure 2);

Chuang ('568) teaches the closed light bulb including two wires connected via a filament. Chuang ('568) does not specifically teach the two wires being magnesium wires, and the filament being a tungsten filament. On the other hand, the prior art admitted by the applicant discloses a conventional light bulb 5 including two magnesium wires connected via a tungsten filament 7 (instant application, Figure 4, page 1, lines 19-24)

It would be have been obvious to one of ordinary skill in the art at the time of the invention to modify the light bulb structure of Chuang ('568) by providing magnesium wires and tungsten filament as taught by the prior art admitted by the applicant for benefit and advantage of reliable operational life of the light bulb.

Regarding Claim 2, Chuang ('568) in view of prior art admitted by the applicant discloses the light bulb structure (Chuang, Figure 2) further including the base structure 1 including a passage of the two magnesium wire to pass through, and extend out of the mounting structure 1 (Chuang, Figure 2).

#### ***Response to Amendment***

4. Applicant's arguments filed on June 27, 2005 with respect to the 35 U.S.C. 103(a) rejections of claims 1 and 2 have been fully considered but they are not persuasive.

Argument: Regarding Claim 1, Chunag (U.S. Patent No. 5,931,568 B1) does not teach a closed lampshade integrally formed with the bulb, and the shade enclosing the bulb having the two magnesium wires extending outwardly.

Response: Regarding Claim 1, Chuang ('568) discloses a light bulb structure 3 (Figure) meeting almost all the limitation in the manner similar to that detailed above in section 3.

Chuang ('568) does not specifically teach the two wires being magnesium wires, and the filament being a tungsten filament. On the other hand, the prior art admitted by the applicant discloses a conventional light bulb 5 including two magnesium wires connected via a tungsten filament 7 (instant application, Figure 4, page 1, lines 19-24)

It would be have been obvious to one of ordinary skill in the art at the time of the invention to modify the light bulb structure of Chuang ('568) by providing magnesium wires and tungsten filament as taught by the prior art admitted by the applicant for benefit and advantage of reliable operational life of the light bulb.

Note:

It has been held that the term "*integral*" is sufficiently broad to embrace construction means such as chemical or mechanical fastening including welding.

Argument: Regarding Claim 1, neither Chuang nor the prior art admitted by the applicant suggests their combination for modification as suggested by the examiner.

Response: As discussed in MPEP § 2143.01, there must be some suggestion or motivation, either in the references themselves or in the knowledge generally available to one of ordinary skill in the art, to modify or combine reference teachings.

As detailed above, Chuang ('568) discloses a light bulb structure 3 (Figure) meeting almost all the limitation in the manner similar to that detailed above in section 3.

Chuang ('568) does not specifically teach any material for the two wires. Therefore, the examiner has suggested to combined the teaching of the prior art , admitted by the applicant, which teaches the material for the filament and the two wires connecting the filament. Additionally, use of tungsten filament and magnesium wires is beneficial for long operational life of the light bulb.

### ***Conclusion***

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hargobind S. Sawhney whose telephone number is 571 272 2380. The examiner can normally be reached on 6:15 - 2:45.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra O'Shea can be reached on 571 272 2378. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HSS  
9/8/2005

  
Stephen Husar  
Primary Examiner